



LONG-TERM SPRING WHEAT YIELD TRIALS

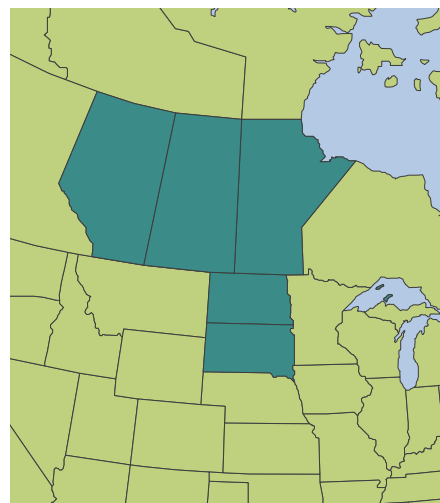
MicroEssentials® S15™ vs. MAP Blend

Objective

- Evaluate the yield response of spring wheat to MicroEssentials® S15™ (13-33-0-15S) compared to MAP (11-52-0) + AS (21-0-0-24S) and MAP.

Overview

- Spring wheat is a common crop grown in the northern Great Plains and Western Prairie Provinces of Canada.
- MAP is commonly used as a phosphorus (P) fertilizer source applied to spring wheat.
- MicroEssentials S15 is a proprietary fertilizer that combines nitrogen (N), phosphorus (P) and sulfur (S) fused into one nutritionally balanced granule.



LOCATIONS: 44 trials across U.S. and Canada
 United States: ND and SD
 Canada: AB, MB and SK

Trial Details

Locations and Crop Management:

CROP: Spring Wheat (*Triticum aestivum*)

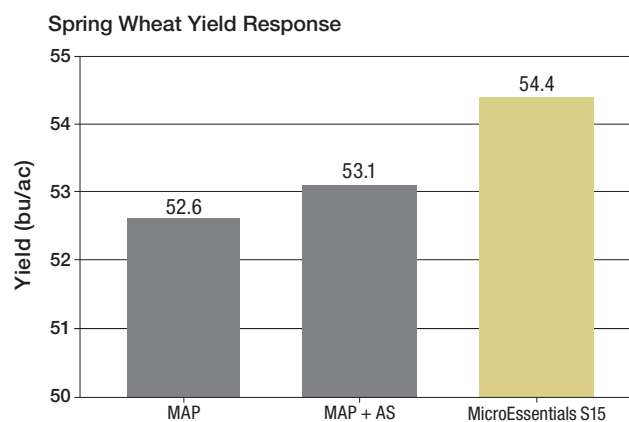
YEARS: 2004–2013

DATA SOURCE: Field studies conducted by university and/or third-party, independent researchers.

CROPPING CONDITION:

- **P Rate:** 33–45 lbs P₂O₅/ac
 – Balanced across all treatments

Results



Summary

- MicroEssentials S15 outperformed MAP + AS by 1.3 bu/ac (2.4%) and MAP by 1.8 bu/ac (3%), on average, across all locations.
- Access additional yield data, and calculate your ROI potential at MicroEssentials.com/Performance.

Delivering the Best All Season Long.

MicroEssentials is uniquely designed to deliver nutrients evenly across the field, while delivering more value by increasing nutrient uptake. Plus, while most blends and sulfur-enhanced fertilizer products contain sulfate sulfur alone, MicroEssentials delivers season-long sulfur availability through its combination of both sulfate and elemental sulfur.



1.8
bu/ac

Increase with MicroEssentials S15 over MAP

1.3
bu/ac

Increase with MicroEssentials S15 over MAP + AS



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Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

For more information, go to MicroEssentials.com.